

Missouri Department of Natural Resources

## Total Maximum Daily Load Information Sheet

### Rush Creek

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#### Waterbody Segment at a Glance:

**County:** Platte  
**Nearby Cities:** Parkville  
**Length of impairment:** 0.2 mile  
**Pollutants:** Volatile Suspended Solids (VSS)  
**Source:** Platte Co. Sewer District  
El Dorado Apartments

**Note:** This stream is proposed for deletion from the 2002 303(d) list.

**TMDL Priority Ranking:** Low

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State map showing location of watershed

#### Description of the Problem

##### Designated Uses

- Livestock and Wildlife Watering
- Protection of Warm Water Aquatic Life and Human Health associated with Fish Consumption

##### Use that is impaired

- Protection of Warm Water Aquatic Life

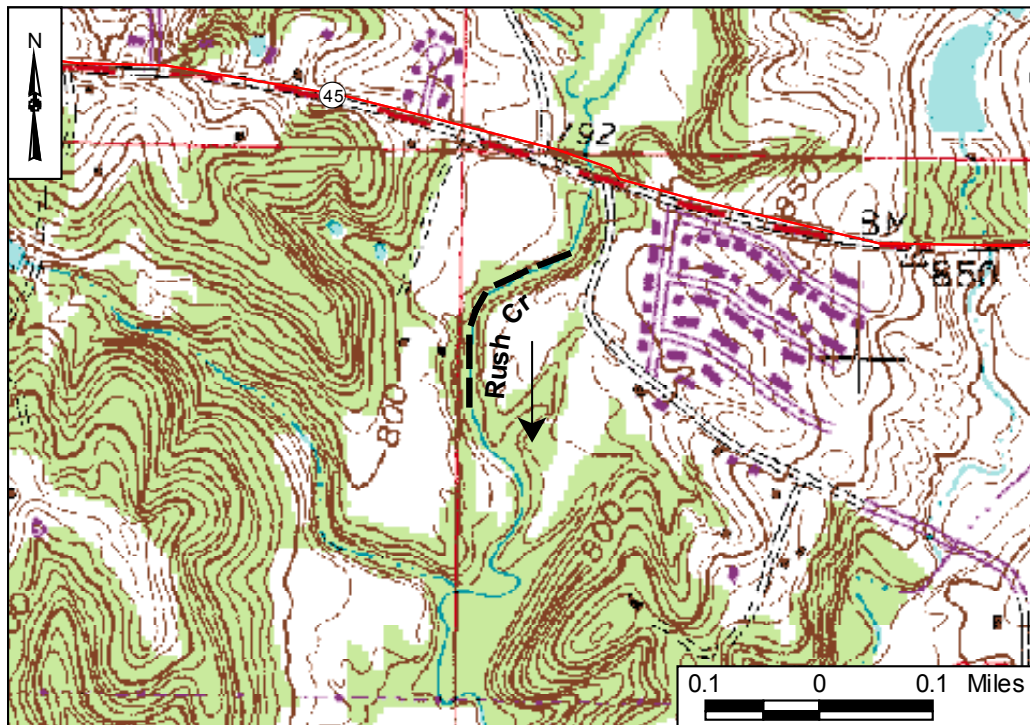
##### Standards that apply

- Standards for non-filterable residue (NFR) may be found in the general criteria section of the Missouri Water Quality Standards, 10 CSR 20-7.031(3)(A), where it states:
  - Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses.
  - Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses.

Any waterbody that was listed for Non-Filterable Residue (NFR) in 1998 is now being listed as Volatile Suspended Solids (VSS). VSS are organic solids coming from wastewater treatment plants. The new listing gives a clearer picture of the specific pollutants affecting the water.

The pollutant of concern is objectionable bottom deposits of volatile suspended solids resulting from discharges from the Platte County Sewer District #7, in particular the El Dorado Apartments wastewater treatment plant (WWTP). The stream was judged to be impaired based on observations during four visual and qualitative invertebrate benthic surveys conducted between 1986 and 1996. Observations from the earliest survey noted the presence of excessive amounts of benthic (growing on the stream bottom) algae in the stream. The latter surveys noted sludge deposits (from the WWTP) that were judged to exceed state narrative standards for unsightly or harmful bottom deposits. Since then, this facility has been closed and all the sewers have been connected to the regional WWTP (Brush Creek). This was accomplished in February 1999. Because the last stream assessment was prior to the elimination of this WWTP, this segment appeared on the 1998 Section 303(d) list, and the listing required a Total Maximum Daily Load (TMDL) be developed. The U.S. Environmental Protection Agency approved this TMDL Dec. 1, 1999. The department conducted a post-TMDL stream survey in 2000 and all applicable water quality standards are being met. This stream is proposed for deletion from the 2002 303(d) list.

### Map of Impaired Section of Rush Creek



----- Impaired Segment      → Direction of Flow

**For more information call or write:**

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